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care, and the verbiage of pedantry has been eliminated. A number of new species are described, but from the statements made the field seems to be white for the harvest. Professor Jepson is to be congratulated upon producing a useful, rational, and modern manual.—J. M. C.

The Cyclopedia of American Horticulture.

The third volume of Bailey's Cyclopedia of American Horticulture has just come from the press of the Macmillan Company. It includes the letters N-O.2 Aside from the articles on important genera, among which the most noteworthy are those on Nepenthes, Nymphaea, Odontoglossum, Oncidium, Opuntia, Pinus, Prunus, Pyrus, and Quercus, the following articles are of special interest. The botanical treatment of Orchids is by H. Hasselbring, the culture of orchids by Robert M. Grey, with a general introduction by the editors. On the Peach, the general article is written by Professor Bailey, peach culture in the south is treated by J. H. Hale, peach culture in the far north (northern Vermont) by J. T. Macomber, the Michigan peach industry by R. Morrill, peach culture in Delaware by Charles Wright, the peach in California Professors Bailey and T. T. Lyon contribute a general by H. Culbertson. article on Pear, C. L. Watrous writes about pears on the northern plains, E. I. Wickson on the pear in California, John S. Collins on the Kieffer pear, L. T. Yeomans on dwarf pears, and George T. Powell on pears for export. The horticultural capabilities of the *Philippines* are described by F. E. A somewhat unexpected article is the one on Horticultural photography by J. Horace McFarland. It ought to be very helpful and to result in the great improvement of the illustrations in our experiment station reports and other similar publications. A compact article upon the general Physiology of plants is contributed by Dr. B. M. Duggar. The article on Plant breeding by Mr. H. J. Webber will attract attention. The principles of the art are well set forth, but it is unfortunate that he unnecessarily insists on calling stamens and pistils the male and female organs of plants. On the Plum Professor Bailey writes the general article, Professor F. A. Waugh discusses the cultivation of native plums, and Mr. A. V. Stubenrauch gives an account of the plum in California. The article on Pomology is naturally handled by the editor, an appendix on Russian fruits being contributed by John Craig. The work maintains the high standard of the preceding volumes.3 —C. R. B.

² Bailey, L. H.: Cyclopedia of American Horticulture, comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches. Vol. III. N-Q. 4to, pp. xv+10551-486, figs. 1454-2059, pls. 20-29. New York: The Macmillan Company. 1900. \$5.

³ Bot. Gaz.29:282; 30:277. 1900.